



(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

PTO/SB/08A (07-06)
Approved for use through 09/30/2006. OMB 0651-0031
Trademark Office; U.S. DEPARTMENT OF COMMERCE
Information unless it contains a valid OMB control number

Complete if Known

Application Number	10/540,694
Filing Date	April 14, 2006
First Named Inventor	Jingxin Liang
Art Unit	2611
Examiner Name	Williams, Lawrence B
Attorney Docket Number:	SHIX-CN020046

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†*
		Country Code* ² Number* ³ Kind Code* ⁴ (if known)	MM-DD-YYYY			
/L.W./		WO 99/60759 A1	11/25/1999	Kings College London		
/L.W./		WO 00/64113	10/26/2000	Siemens		
/L.W./		GB 2 371 725 A	07/31/2002	UniNetics Limited		

Examiner Signature	/Lawrence Williams/	Date Considered	07/24/2009
-----------------------	---------------------	--------------------	------------

***EXAMINER:** Include if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Initial copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Transmittal of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to flow from the USPTO (a process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/088 (07-06)
Approved for use through 09/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Sheet	2	of	2	Application Number	10/540,694
				Filing Date	April 14, 2006
				First Named Inventor	Jingxin Liang
				Art Unit	2611
				Examiner Name	Williams, Lawrence B.
				Attorney Docket Number	SHIX-CN020046

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/L.W./		International Search Report dated March 17, 2004 in connection with PCT Application No. PCT/IB03/06248.	
/L.W./		Ming Lei, et al., "Channel estimation based on midamble in ultra-TDD systems", International Conference on Telecommunications, Vol. 2, June 23, 2002, pg. 434-438.	
/L.W./		Griparis, et al., "Channel estimation and tracking techniques for DS-CDMA systems", International Conference on Telecommunications, Vol. 3, June 21, 1998, pg. 108-113.	

Examiner Signature	/Lawrence Williams/	Date Considered	07/24/2009
--------------------	---------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.